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FALL WATER SUPPLY SUMMARY FOR NEVADA

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

UNITED STATES DEPARTMENT of AGRICULTURE - SOIL CONSERVATION SERVICE,

and

NEVADA DEPARTMENT of CONSERVATION and NATURAL RESOURCES
VV DIVISION of WATER RESOURCES

Data included in this report were obtained by the agencies named above
in cooperation with Federal, State and private organizations listed on
the last page of this report.

AS OF
OCT. 1, 1967

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season as they affect runoff will add to be an effective average. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1400 snow courses in Western United States and in the Columbia Basin in British Columbia. In the near future, it is anticipated that automatic snow water equivalent sensing devices along with radio telemetry will provide a continuous record of snow water equivalent at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data or reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

Listed below are water supply outlook reports based on Federal-State-Private Cooperative snow surveys. Those published by the Soil Conservation Service may be obtained from Soil Conservation Service, Room 507, Federal Building, 701 N. W. Glisan, Portland, Oregon 97209.

PUBLISHED BY SOIL CONSERVATION SERVICE

D. A. WILLIAMS, Administrator

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 507, 701 N. W. Glisan, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

| STATE | ADDRESS |
|--------------------|---|
| Alaska | P. O. Box "F", Palmer, Alaska 99645 |
| Arizona | 6029 Federal Building, Phoenix, Arizona 85205 |
| Colorado (N. Mex.) | 12417 Federal Building, Denver, Colorado 80202 |
| Idaho | P. O. Box 38, Boise, Idaho 83701 |
| Montana | P. O. Box 855, Bozeman, Montana 59715 |
| Nevada | P. O. Box 4850, Reno Nevada 89505 |
| Oregon | 1218 S. W. Washington St., Portland, Oregon 97205 |
| Utah | 4001 Federal Building, Salt Lake City, Utah 84111 |
| Washington | 840 Bon Marche Bldg., Spokane, Washington 99206 |
| Wyoming | P. O. Box 340, Casper, Wyoming 82602 |

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia



FALL WATER SUPPLY SUMMARY for NEVADA

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Report Issued by

CHARLES W. CLEARY, JR.

STATE CONSERVATIONIST
SOIL CONSERVATION SERVICE
RENO, NEVADA

ELMO J. DE RICCO

DIRECTOR
DEPARTMENT OF CONSERVATION AND
NATURAL RESOURCES
CARSON CITY, NEVADA

OCTOBER 8, 1967

Prepared by

BOB L. WHALEY

SNOW SURVEY SUPERVISOR

ROY E. MALSOR, JR.

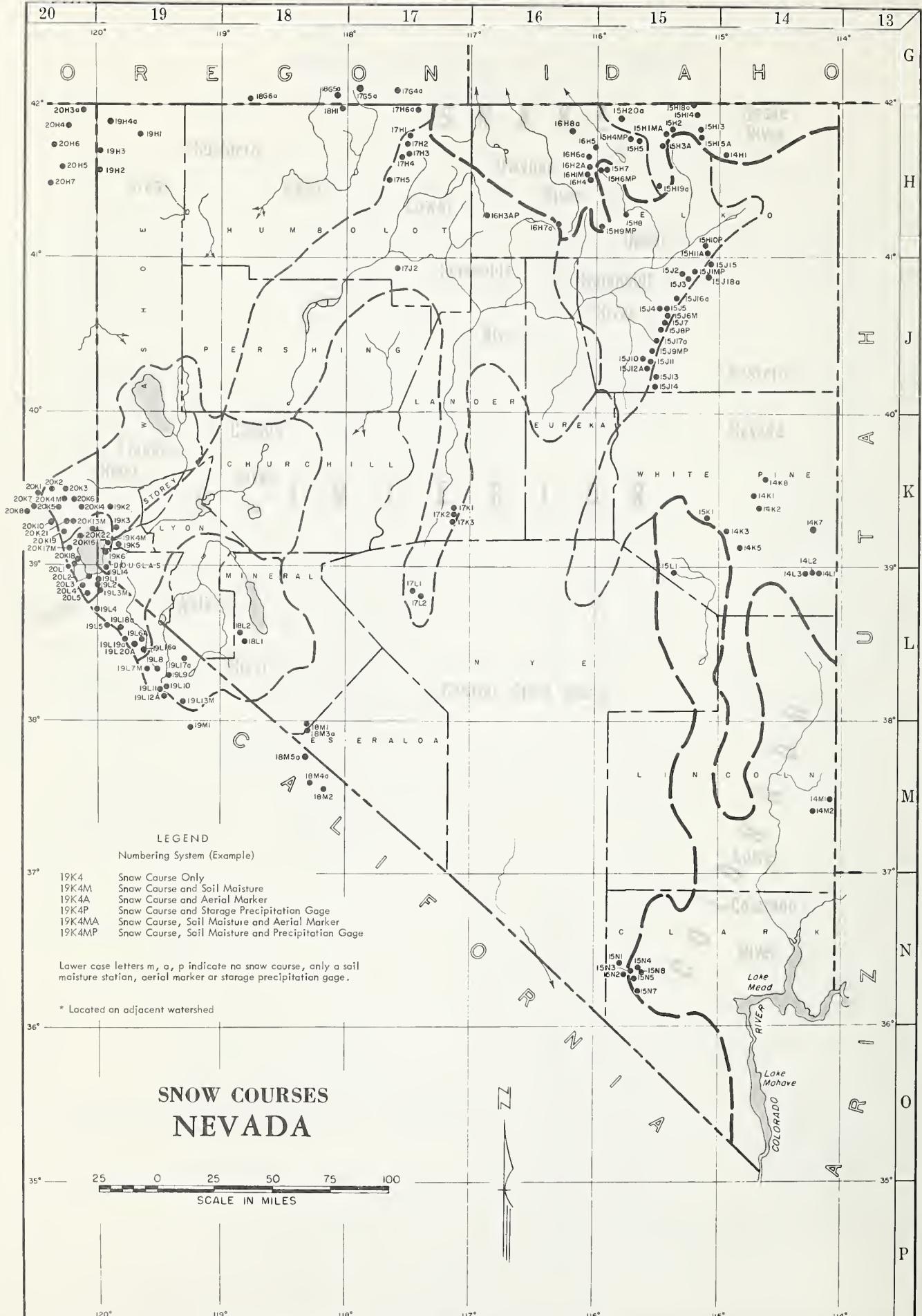
ASSISTANT
SNOW SURVEY SUPERVISOR

SOIL CONSERVATION SERVICE
P. O. BOX 4850
RENO, NEVADA

INDEX TO NEVADA SNOW COURSES

(By Basins)

| NUMBER | NAME | SEC. | TWP. | RGE. | ELEV. | NUMBER | NAME | SEC. | TWP. | RGE. | ELEV. |
|-----------------------------|---------------------------|------|------|------|----------|--------|---------------------------|------|------|------|-------|
| SNAKE RIVER BASIN | | | | | | | | | | | |
| 1SH1MA | BEAR CREEK | 31 | 46N | 58E | 7800 | 19L14 | OAGGETTS PASS | 19 | 13N | 19E | 7350 |
| 1SH2 | FOX CREEK | 33 | 46N | 58E | 6800 | 20L6 | ECHO SUMMIT (CAL.) | 6 | 11N | 18E | 7450 |
| 1SH3 | GOAT CREEK | 31 | 46N | 60E | 8800 | 19L2 | FREEL BENCH (CAL.) | 36 | 12N | 18E | 7300 |
| 1SH15A | HUMMINGBIRD SPRINGS | 6 | 45N | 62E | 8945 | 19K6 | GLENBROOK #2 | 13 | 14N | 18E | 6900 |
| 14H1 | JAKES CREEK | 6 | 42N | 62E | 7000 | 19L3M | HAGANS MEADOW (CAL.) | 36 | 12N | 18E | 8000 |
| 1SH20a | MERRITT MOUNTAIN | 10 | 46N | 54E | 7000 | 20L4 | LAKE LUCILLE (CAL.) | 28 | 12N | 17E | 8200 |
| 1SH14 | POLE CREEK RANGER STATION | 13 | 46N | 59E | 8330 | 19K4M | MARLETT LILLE (CAL.) | 18 | 15N | 19E | 8000 |
| 1SH18a | RED POINT | 15 | 47N | 61E | 7940 | 20L3 | RICHARDSONS #2 (CAL.) | 6 | 12N | 18E | 6500 |
| 1SH3A | 76 CREEK | 6 | 44N | 58E | 7100 | 20L1 | RUBICON #1 (CAL.) | 6 | 13N | 17E | 8100 |
| 1SH19a | STAG MTN. | 29 | 41N | 58E | 7800 | 20L2 | RUBICON #2 (CAL.) | 6 | 13N | 17E | 7500 |
| OWYHEE RIVER | | | | | | | | | | | |
| 1SH4MP | BIG BENO | 30 | 45N | 56E | 6700 | 20K16 | TAHOE CITY (CAL.) | 6 | 15N | 17E | 6250 |
| 16H6a | COLUMBIA BASIN | 31 | 44N | 53E | 6650 | 19L1 | UPPER TRUCKEE (CAL.) | 21 | 12N | 18E | 6400 |
| 16H8a | FAWN CREEK | 2 | 45N | 52E | 7000 | 20K17M | WARD CREEK (CAL.) | 21 | 15N | 16E | 7000 |
| 15H5 | GOLO CREEK | 32 | 45N | 56E | 6600 | | | | | | |
| 16H1M | JACK CREEK, LOWER | 18 | 42N | 53E | 6800 | | | | | | |
| 16H2A | JACK CREEK, UPPER | 9 | 42N | 53E | 7250 | | | | | | |
| 16H4 | JACKS PEAK | 28 | 42N | 53E | 8420 | | | | | | |
| 16H5 | LAUREL ORAW | 20 | 45N | 53E | 6700 | | | | | | |
| 17G4a | LOUSE CANYON (OREG.) | 27 | 40S | 44E | 6440 | | | | | | |
| 15H9MP | TAYLOR CANYON | 35 | 39N | 53E | 6200 | | | | | | |
| INTERIOR | | | | | | | | | | | |
| UPPER HUMBOLOT RIVER | | | | | | | | | | | |
| 15J17a | AMERICAN BEAUTY | 32 | 31N | 58E | 7800 | 20K14 | BOCA #2 (CAL.) | 28 | 18N | 17E | 5900 |
| 16H6a | COLUMBIA BASIN | 31 | 44N | 53E | 6650 | 20K22 | BROCKWAY SUMMIT (CAL.) | 3 | 17N | 16E | 7100 |
| 15J12A | CORRAL CANYON | 27 | 28N | 57E | 8500 | 20K21 | DONNER PARK #2 (CAL.) | 18 | 17N | 16E | 6000 |
| 15J1MP | DORSEY BASIN | 28 | 35N | 60E | 8100 | 20K10* | DONNER SUMMIT (CAL.) | 25 | 17N | 14E | 6900 |
| 15J3 | DRY CREEK | 5 | 34N | 60E | 6500 | 20K7* | FORDYCE LAKE (CAL.) | 34 | 18N | 13E | 6500 |
| 15J7 | FRY CANYON | 31 | 43N | 54E | 6700 | 20K8 | FURNACE FLAT (CAL.) | 10 | 17N | 13E | 6700 |
| 15J9MP | GREEN MOUNTAIN | 23 | 29N | 57E | 8000 | 20K4MP | INDEPENDENCE CAMP (CAL.) | 34 | 19N | 15E | 7000 |
| 15J10 | HARRISON PASS #1 | 9 | 28N | 57E | 6600 | 20K3 | INDEPENDENCE CREEK (CAL.) | 14 | 19N | 15E | 6500 |
| 15J11 | HARRISON PASS #2 | 16 | 28N | 57E | 7400 | 20K5 | INDEPENDENCE LAKE (CAL.) | 9 | 18N | 15E | 8450 |
| 15J4 | LAMOILLE #1 | 15 | 32N | 58E | 7100 | 19K3 | LITTLE VALLEY | 17 | 16N | 19E | 6300 |
| 15J5 | LAMOILLE #2 | 14 | 32N | 58E | 7300 | 19K2 | MT. ROSE | 7 | 17N | 19E | 9000 |
| 15J6M | LAMOILLE #3 | 24 | 32N | 58E | 7700 | 20K6 | SAGE HEN CREEK (CAL.) | 7 | 18N | 16E | 6500 |
| 15J7 | LAMOILLE #4 | 19 | 32N | 59E | 8000 | 20K19 | SOUAW VALLEY #2 (CAL.) | 6 | 15N | 16E | 7500 |
| 15J8P | LAMOILLE #5 | 31 | 32N | 59E | 8700 | 20K2 | TRUCKEE #2 (CAL.) | 22 | 17N | 16E | 6400 |
| 15J18a | POLE CANYON | 31 | 35N | 61E | 9140 | 20K1* | WEBBER LAKE (CAL.) | 29 | 19N | 14E | 7000 |
| 15J16a | ROBINSON LAKE | 23 | 33N | 59E | 9200 | | | 30 | 19N | 14E | 8000 |
| 15H6MP | ROOKE FLAT | 36 | 43N | 53E | 6800 | | | | | | |
| 15J2 | RYAN RANCH | 1 | 34N | 59E | 5800 | | | | | | |
| 15H8 | TREMEWAN RANCH | 9 | 39N | 55E | 5700 | | | | | | |
| 15H10P | TROUT CREEK, LOWER | 28 | 37N | 61E | 6900 | | | | | | |
| 15H11A | TROUT CREEK, UPPER | 4 | 36N | 61E | 8500 | | | | | | |
| LOWER HUMBOLOT RIVER | | | | | | | | | | | |
| 17K1 | BIG CREEK CAMP GROUND | 10 | 17N | 43E | 6600 | | | | | | |
| 17K2 | BIG CREEK MINE | 23 | 17N | 43E | 7600 | | | | | | |
| 17K3 | BIG CREEK, UPPER | 26 | 17N | 43E | 8000 | | | | | | |
| 17H2 | BUCKSKIN, LOWER | 25 | 45N | 39E | 6700 | | | | | | |
| 17H1 | BUCKSKIN, UPPER | 11 | 45N | 39E | 8200 | | | | | | |
| 17J2 | GOLCONDA #2 | 22 | 35N | 39E | 6000 | | | | | | |
| 17H4 | GRANITE PEAK | 22 | 44N | 39E | 7800 | | | | | | |
| 17H5 | LANANCE CREEK | 13 | 42N | 38E | 6000 | | | | | | |
| 17L1 | LOWER CORRAL | 12 | 11N | 40E | 7500 | | | | | | |
| 17H3 | MARTIN CREEK | 18 | 44N | 40E | 6700 | | | | | | |
| 16H3AP | MIDAS | 18 | 39N | 46E | 7200 | | | | | | |
| 18H7 | TOE JAM a | 29 | 40N | 50E | 7700 | | | | | | |
| 17L2 | UPPER CORRAL | 20 | 11N | 41E | 8500 | | | | | | |
| EASTERN NEVADA | | | | | | | | | | | |
| 14L1 | BAKER #1 | 29 | 13N | 69E | 7950 | | | | | | |
| 14L2 | BAKER #2 | 30 | 13N | 69E | 8950 | | | | | | |
| 14L3 | BAKER #3 | 25 | 13N | 68E | 9250 | | | | | | |
| 14K2 | BERRY CREEK | 23 | 17N | 65E | 9100 | | | | | | |
| 14K1 | BIRD CREEK | 34 | 19N | 85E | 7500 | | | | | | |
| 15J13 | CAVE CREEK | 25 | 27N | 57E | 7500 | | | | | | |
| 15J14 | HAGER CANYON | 34 | 27N | 57E | 8000 | | | | | | |
| 15J15 | HOLE-IN-MTN | 6 | 35N | 61E | 7900 | | | | | | |
| 14K8 | KALAMAZOO CREEK | 34 | 20N | 65E | 7400 | | | | | | |
| 14K3 | MURRAY SUMMIT | 26 | 16N | 62E | 7250 | | | | | | |
| 15K1 | ROBINSON SUMMIT | 23 | 18N | 61E | 7600 | | | | | | |
| 14K7 | SILVER CREEK #2 | 30 | 16N | 69E | 8000 | | | | | | |
| 14K5 | WARO MOUNTAIN #2 | 25 | 15N | 62E | 7875 | | | | | | |
| 15L1 | WHITE RIVER #1 | 31 | 13N | 59E | 7400 | | | | | | |
| CENTRAL GREAT BASIN | | | | | | | | | | | |
| 18M2 | CAMPITO MTN (CAL.) | 19 | 55 | 35E | 10200 | | | | | | |
| 1815a | CHICTOVICH FLAT | 32 | 25 | 34E | 10500 | | | | | | |
| 15N2 | CLARK CANYON | 8 | 195 | 56E | 9000 | | | | | | |
| 18M1 | MONTGOMERY PASS | 4 | 1N | 33E | 7100 | | | | | | |
| 18M3a | PINCHOT CREEK | 28 | 1N | 33E | 9300 | | | | | | |
| 18M4a | PIUTE PASS (CAL.) | 33 | 45 | 33E | 11700 | | | | | | |
| 15N1 | TROUGH SPRINGS | 23 | 185 | 55E | 8500 | | | | | | |
| NORTHERN GREAT BASIN | | | | | | | | | | | |
| 19H1 | BALO MOUNTAIN | 17 | 45N | 21E | 6720 | | | | | | |
| 20H5 | BARBER CREEK (CAL.) | 23 | 39N | 16E | 6500 | | | | | | |
| 20H6 | CEARO PASS (CAL.) | 12 | 43N | 14E | 7100 | | | | | | |
| 18G6a | OENIO CREEK (OREG.) | 14 | 415 | 34E | 6000 | | | | | | |
| 18H1 | DISASTER PEAK | 8 | 47N | 34E | 6500 | | | | | | |
| 20H3a | OISMAL SWAMP (CAL.) | 31 | 48N | 22E | 7000 | | | | | | |
| 20H7 | EAGLE PEAK (CAL.) | 35 | 40N | 15E | 7200 | | | | | | |
| 19H3 | 49-MTN | 7 | 42N | 19E | 6000 | | | | | | |
| 19H2 | HAYS CANYON | 1 | 39N | 18E | 6400 | | | | | | |
| 19H4a | LITTLE BALLY MTN | 8 | 45N | 19E | 6000 | | | | | | |
| 17G5a | OREGON CANYON (OREG.) | 9 | 405 | 40E | 7240 | | | | | | |
| 17H6 | QUINN RIDGE | 9 | 47N | 41E | 6300 | | | | | | |
| 20H4 | RESERVATION CREEK (CAL.) | 12 | 46N | 15E | 5900 | | | | | | |
| 18G5a | TROUT CREEK (OREG.) | 10 | 415 | 38E | 7800 | | | | | | |
| LAKE TAHOE | | | | | | | | | | | |
| 19L14 | OAGGETTS PASS | 19 | 13N | 19E | 7350 | | | | | | |
| 20L6 | ECHO SUMMIT (CAL.) | 6 | 11N | 18E | 7450 | | | | | | |
| 19L2 | FREEL BENCH (CAL.) | 36 | 12N | 18E | 7300 | | | | | | |
| 19K6 | GLENBROOK #2 | 13 | 14N | 18E | 6900 | | | | | | |
| 19L3M | HAGANS MEADOW (CAL.) | 36 | 12N | 18E | 8000 | | | | | | |
| 20L4 | LAKE LUCILLE (CAL.) | 28 | 12N | 17E | 8200 | | | | | | |
| 19K4M | MARLETT LILLE (CAL.) | 18 | 15N | 19E | 8000 | | | | | | |
| 20L3 | RICHARDSONS #2 (CAL.) | 6 | 12N | 18E | 6500 | | | | | | |
| 20L2 | RUBICON #2 (CAL.) | 6 | 13N | 17E | 7500 | | | | | | |
| 20K16 | TAHOE CITY (CAL.) | 6 | 15N | 17E | 6250 | | | | | | |
| 19L1 | UPPER TRUCKEE (CAL.) | 21 | 12N | 18E | 6400 | | | | | | |
| 20K17M | WARD CREEK (CAL.) | 21 | 15N | 16E | 7000 | | | | | | |
| TRUCKEE RIVER | | | | | | | | | | | |
| 20K14 | BOCA #2 (CAL.) | 28 | 18N | 17E | 5900 | | | | | | |
| 20K22 | BRICKWAY SUMMIT (CAL.) | 3 | 17N | 16E | 7100 | | | | | | |
| 20K21 | DONNER PARK #2 (CAL.) | 18 | 17N | 16E | 6000 | | | | | | |
| 20K10* | DONNER SUMMIT (CAL.) | 25 | 17N | 14E | 6900 | | | | | | |
| 20K7* | FORDYCE LAKE (CAL.) | 34 | 18N | 13E | 6500 | | | | | | |
| 20K8 | FURNACE FLAT (CAL.) | 10 | 17N | 13E | 6700 | | | | | | |
| 20K4MP | INDEPENDENCE CAMP (CAL.) | 34 | 19N | 15E | 7000 | | | | | | |
| 20K3 | INDEPENDENCE CREEK (CAL.) | 14 | 19N | 15E | 6500 | | | | | | |
| 20K5 | INDEPENDENCE LAKE (CAL.) | 9 | 18N | 15E | 8450 | | | | | | |
| 19K2 | LITTLE VALLEY | 17 | 16N | 19E | 6300 | | | | | | |
| 20K6 | MT. ROSE | 7 | 17N | 19E | 9000 | | | | | | |
| 20K5 | SAGE HEN CREEK (CAL.) | 7 | 18N | 16E | 6500 | | | | | | |
| 20K19 | SOUAW VALLEY #2 (CAL.) | 6 | 15N | 16E | 7500 | | | | | | |
| 20K2 | TRUCKEE #2 (CAL.) | 22 | 17N | 16E | 6400 | | | | | | |
| 20K1* | WEBBER LAKE (CAL.) | 29 | 19N | 14E | 7000 | | | | | | |
| 20K1* | WEBBER PEAK (CAL.) | 30 | 19N | 14E | 8000 | | | | | | |
| CARSON RIVER | | | | | | | | | | | |
| 19L5 | BLUE LAKES (CAL.) | 30 | 9N | 19E | 8000 | | | | | | |
| 19L4 | CARSON PASS, UPPER (CAL.) | 22 | 10N | 18E | 8600</td | | | | | | |



FALL WATER SUPPLY SUMMARY
FOR NEVADA

OCTOBER 1, 1967

Nevada's 1967 water supplies were excellent on all major streams. Cool weather and continued snow storms during April, May, and early June caused increases to the snow pack instead of the usual melt. Some snow courses recorded maximum water contents in May or early June, at least one month later than usual.

The late spring and continued showers during the summer caused streamflow to be well above the April 1 forecasts. Forecasts were increased after May 1 snow measurements, and, in some cases, June snow measurements caused the forecasts to be raised even more. Streams peaked higher and later than usual, resulting in good water supplies later in the irrigation season.

Carryover reservoir storage in major irrigation reservoirs affecting Nevada water supplies is 169 percent of the 15-year average. All reservoirs are well above average except Wild Horse, which has been held low due to a damaged structure. Lake Tahoe now holds 606,000 acre-feet compared with 406,000 acre-feet last year at this time. Lahontan holds 202,000 acre-feet compared with 57,000 acre-feet last year. Bridgeport and Topaz hold 29,000 and 41,000 acre-feet respectively, and last year both held only 6,000 acre-feet on October 1. Rye Patch now has 57,000 acre-feet in storage, and last year it had 80,000 acre-feet.

Precipitation over the state since last January 1 ranged from 96 percent at Cedarville to 206 percent of the long-term average at Ely, according to the U. S. Weather Bureau. Continuous thunder showers during the summer helped range and watershed soil moisture but did some erosion damage to roads and unprotected areas.

Soil moisture measurements indicate spotty storm patterns, with some stations showing more moisture and some less moisture than last year on October 1.

Radio-reporting snow- and temperature-measuring equipment proved to be a real help in following last spring's late-season snowfall and runoff. This winter, we hope to have a total of six radio-reporting data sites in operation on the Sierras. These stations will be on the Little Truckee, Lake Tahoe, and Walker River drainages, and they will report temperature as well as the water content of the snow from four of the six data sites. Daily readings from these sites will be published, starting with the January 1, 1968 Water Supply Bulletin.

APRIL-JULY 1967
NEVADA STREAMFLOW FORECASTS
and
OBSERVED STREAMFLOW

The following table contains April-July forecasts made during the past winter, except as otherwise noted. Observed streamflow amounts are provisional and were furnished by the U. S. Geological Survey and other agencies.

| | April-July Streamflow, Thousand Acre-Feet | | | | | | | |
|---|---|------|----------|----------|-------------------------|----------------|------------------------------|---------|
| | Forecast | | | | Observed | | | |
| | Feb. | Mar. | Apr. | May* | Observed: 15-Yr. : 1967 | Apr-July: 1967 | Av. : 1948-62: 15-Yr. : 1967 | as% Av. |
| | 1967 | 1967 | 1967 | 1967 | | | | |
| Owyhee near Gold Creek, Nev. ¹ | 20 | 15 | 12 | 8(7) | 11 | 22 | | 50 |
| Owyhee near Owyhee, Nev. ¹ | 65 | 50 | 38 | 34(54) | 72 | 74 | | 97 |
| Lamoille Creek near Lamoille, Nev. | 25 | 22 | 21(25) | | 25 | 26 | | 96 |
| So. Fk. Humboldt near Elko, Nev. | 46 | 45 | 42(67) | | 72 | 60 | | 120 |
| Marys above Hot Springs, Nev. | 26 | 19 | 17(23) | | 27 | 34 | | 79 |
| N.Fk. Humboldt at Devile Gate, Nev. | 27 | 17 | 15(22) | | 27 | 34 | | 79 |
| Humboldt at Palisade, Nev. | 130 | 115 | 100 | 93(175) | 200 | 173 | | 116 |
| Humboldt at Comus, Nev. | | 74 | 60 | 60(114) | 134 | 127 | | 106 |
| Martin Creek near Paradise, Nev. | 12 | 12 | 8(22) | | 25 | 17 | | 147 |
| E. Walker near Bridgeport, Calif. ² | 70 | 90 | 100(124) | | 136 | 57 | | 239 |
| W. Walker below E. Fk. near Coleville, Calif. | 190 | 175 | 204 | 230(229) | 236 | 140 | | 169 |
| E. Carson near Gardnerville, Nev. | 224 | 255 | 270(291) | | 309 | 179 | | 173 |
| E. Carson near Gardnerville, Nev. (date of 200 c.f.s. flow) | | 7/29 | 8/5 | 8/11 | 8/31 | 7/20 | | |
| W. Carson at Woodfords, Calif. | 65 | 75 | 77(73) | | 76 | 52 | | 146 |
| Carson near Carson City, Nev. | 220 | 260 | 275(325) | | 353 | 169 | | 209 |
| Carson at Ft. Churchill, Nev. | 200 | 240 | 265(298) | | 326 | 155 | | 210 |
| Little Truckee above Boca, Calif. ³ | 105 | 128 | 152(159) | | 174 | 78 | | 223 |
| Truckee at Farad, Calif. ^{3,4} | | 310 | 380 | 450(510) | 550 | 269 | | 204 |
| Lake Tahoe ^{3,5} | | 1.70 | 2.10 | 2.50 | 2.74 | 1.47 | | 1.86 |
| Virgin at Virgin, Utah** | 55 | 34 | 27 | 40 | NA | 43 | | |
| Surprise Valley Streams | Observed data not available | | | | | | | |

1. Corrected for storage in Wild Horse Reservoir.
2. For period April through August corrected for storage in Bridgeport Reservoir.
3. Forecast issued by Truckee Basin Water Committee, which is composed of Truckee-Carson Irrigation District, Sierra Pacific Power Company, and Washoe County Conservation District.
4. Exclusive of Tahoe and corrected for storage in Boca Reservoir.
5. Maximum rise, in feet, from April 1, assuming gates closed.

* May 1-July 31, 1967 forecast; figures in parentheses provisional observed streamflow.

** April-June forecast furnished by SCS, Salt Lake City, Utah.

NA Not available.

NEVADA

STATUS OF RESERVOIR STORAGE

OCTOBER 1, 1967

| BASIN AND STREAM | RESERVOIR | USABLE CAPACITY (1000 A-F) | USABLE STORAGE - 1000 ACRE-FEET | | | | 15-YR. AVE. 1948-62 |
|------------------|------------|----------------------------|---------------------------------|--------|--------|-----------------------|---------------------|
| | | | 1967 | 1966 | 1965 | | |
| Owyhee | Wild Horse | 33 | 4 | 1 | 18 | 12 | |
| Lower Humboldt | Rye Patch | 179 | 57 | 80 | 175 | 49 | |
| Colorado | Mohave | 1,810 | 1,402 | 1,387 | 1,377 | 1,152 * | |
| Colorado | Mead | 27,217 | 14,375 | 15,004 | 14,708 | 19,307 | |
| Tahoe | Tahoe | 732 | 606 | 406 | 655 | 391 | |
| Truckee | Boca | 41 | 26 | 2 | 18 | 13 | |
| Truckee | Prosser | 29 ** | 19 | 9 | 19 | Storage began 1/30/63 | |
| Carson | Lahontan | 286 | 202 | 57 | 207 | 80 | |
| West Walker | Topaz | 59 | 41 | 6 | 41 | 14 | |
| East Walker | Bridgeport | 42 | 29 | 6 | 30 | 12 | |

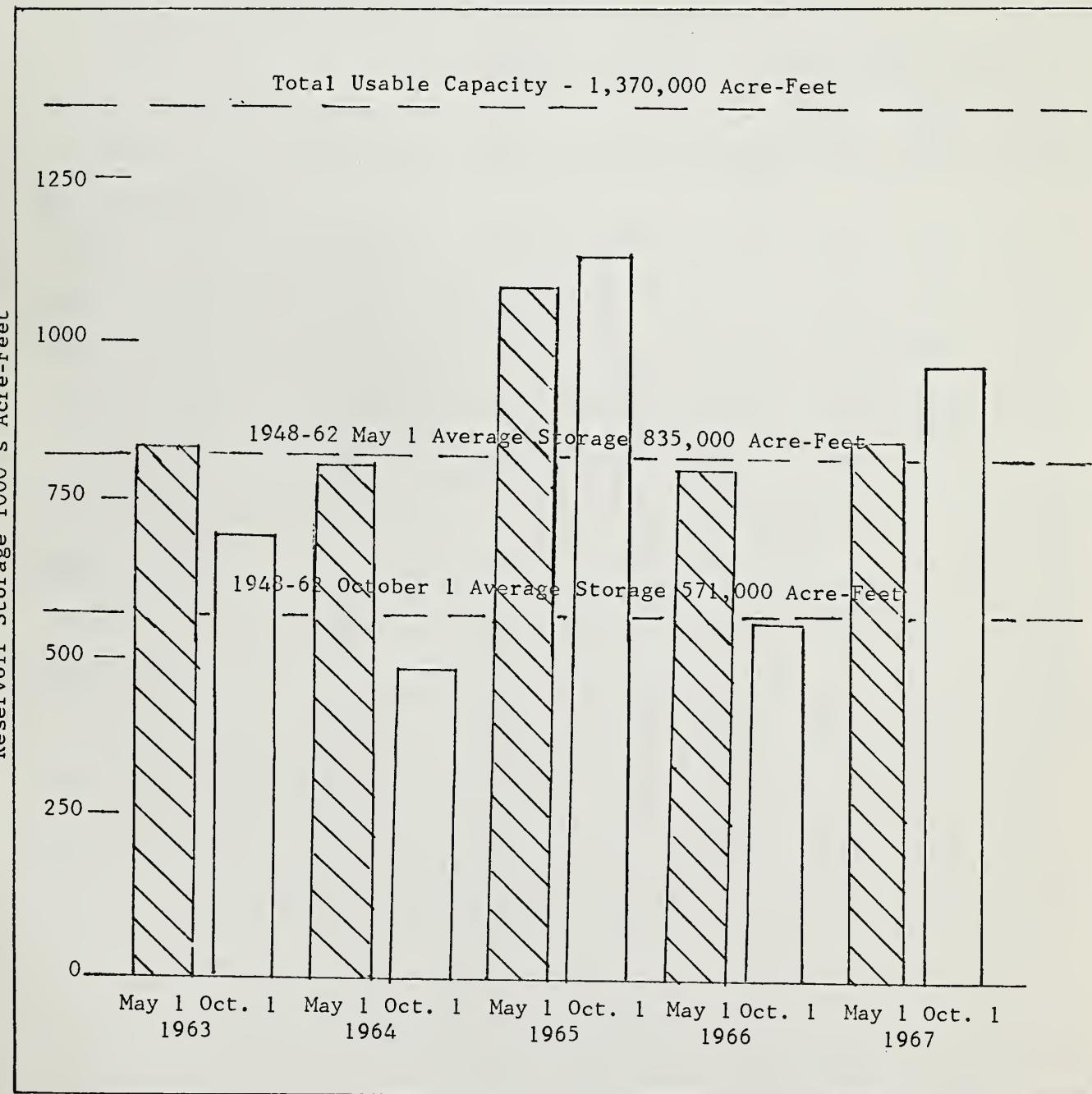
* 1951-62

** Flood control use allocation of 20,000 acre-feet between November 1 and April 10.

NEVADA RESERVOIR STORAGE

1963-1967

Based on Wild Horse, Rye Patch, Tahoe,
Boca, Lahontan, Topaz, and Bridgeport Reservoir Storage Data



NEVADA
SOIL MOISTURE

OCTOBER 1, 1967

| STATION | | PROFILE (Inches) | | SOIL MOISTURE (Inches) | | | |
|--------------------------|-----------|------------------|----------|------------------------|-----------|-----------|-------------|
| Name | Elevation | DEPTH | CAPACITY | DATE | THIS YEAR | LAST YEAR | 2 YEARS AGO |
| <u>East Slope Sierra</u> | | | | | | | |
| Hagans Meadow | 8000 | 36 | 3.65 | 9/28 | 0.4 | 0.0 | 2.3 |
| Independence Camp | 7000 | 34 | 6.10 | 9/27 | 3.1 | 4.4 | 6.1 |
| Marlette Lake | 8000 | 50 | 3.70 | 9/28 | 1.2 | 0.5 | 3.7 |
| Sonora Pass | 8800 | 48 | 8.30 | 9/28 | 7.4 | 6.8 | 7.6 |
| Truckee #2 | 6400 | 18 | 3.65 | 9/26 | 0.6 | 1.5 | --- |
| Ward Creek | 7000 | 49 | 5.80 | 9/27 | 1.1 | --- | 5.7 |
| <u>Humboldt Basin</u> | | | | | | | |
| Rodeo Flat | 6800 | 42 | 11.0 | 9/27 | 9.9 | 10.1 | 10.2 |
| <u>Owyhee Basin</u> | | | | | | | |
| Big Bend | 6700 | 48 | 16.70 | 9/26 | 15.0 | 15.0 | --- |
| Jack Creek, Lower | 6800 | 48 | 8.70 | 9/27 | 7.3 | --- | --- |
| Taylor Canyon | 6200 | 48 | 15.10 | 9/27 | 11.3 | 10.6 | 12.5 |

Agencies Cooperating in Collecting Data Contained in this Bulletin

FEDERAL

Agricultural Research Service
Army
Bureau of Reclamation
Fish and Wildlife Service
Forest Service
Geological Survey
Navy
Soil Conservation Service
U.S. District Court - Federal Water Master
Weather Bureau

STATE

California Cooperative Snow Surveys
California Department of Parks and Recreation
California Department of Water Resources
Colorado River Commission of Nevada
Nevada Association of Soil Conservation Districts
Nevada Cooperative Snow Surveys
Nevada Department of Conservation & Natural Resources
Division of Water Resources
Nevada State Forester-Firewarden
Oregon Cooperative Snow Surveys
University of Nevada
White Mountain Research Station, Univ. of California

PRIVATE

Amalgamated Sugar Company
Kennebott Copper Corporation
Nevada Irrigation District
Owyhee Project North Board of Control
Owyhee Project South Board of Control
Pacific Gas & Electric Company
Pershing County Water Conservation District
Sierra Pacific Power Company
Squaw Valley Development Company
Truckee-Carson Irrigation District
Virginia City Water Company
Walker River Irrigation District
Washoe County Water Conservation District

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information for the snow survey reports. Their
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*"The Conservation of Water begins
with the Snow Survey."*